

9 step (a) to generate a graph containment hierarchy of supergraph
10 structures and subgraph structures in which each of the supergraph
11 structures and subgraph structures corresponds to at least one
12 information source.

A2 1 5. The method according to claim 1 wherein step (b) comprises displaying the
2 supergraph structures and subgraph structures in the graph containment
3 hierarchy.

A3 1 7. The method according to claim 1 wherein step (b) comprises displaying the
2 graph containment hierarchy and identifying information for each information
3 source.

A4 1 ¹²
17. Apparatus for locating and classifying information sources in response to a
2 query, the apparatus comprising:
3 a retrieval engine that receives a knowledge representation graph
4 structure of the query and, in response thereto, locates a collection of information
5 sources and generates an information source knowledge representation graph
6 structure of each located information source in the collection; and
7 a graph matching processor that matches the query knowledge
8 representation graph structure to the information source knowledge
9 representation graph structures obtained by the retrieval engine to generate a
10 graph containment hierarchy of supergraph structures and subgraph structures in
11 which each of the supergraph structures and subgraph structures corresponds to
12 at least one information source.

A5 1 ¹⁰
21. The apparatus according to claim 17 further comprising a graphical user interface
2 that displays the supergraph structures and subgraph structures in the graph
3 containment hierarchy.

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1 1623. The apparatus according to claim 17 further comprising a graphical user interface
2 that displays the graph containment hierarchy and identifying information for
3 each information source.

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1 33. A computer program product for locating and classifying information sources in
2 response to a query, the computer program product comprising a computer
3 usable medium having computer readable program code thereon, including:
4 program code for providing a knowledge representation graph structure of
5 the query to a retrieval engine that locates a collection of information sources and
6 generates an information source knowledge representation graph structure of
7 each located information source in the collection; and
8 program code for matching the query knowledge representation graph
9 structure to the information source knowledge representation graph structures
10 obtained in step (a) to generate a graph containment hierarchy of supergraph
11 structures and subgraph structures in which each of the supergraph structures
12 and subgraph structures corresponds to at least one information source.

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1 35. A computer data signal embodied in a carrier wave for locating and classifying
2 information sources in response to a query, the computer data signal comprising:
3 program code for providing a knowledge representation graph structure of
4 the query to a retrieval engine that locates a collection of information sources and
5 generates an information source knowledge representation graph structure of
6 each located information source in the collection; and
7 program code for matching the query knowledge representation graph
8 structure to the information source knowledge representation graph structures
9 obtained in step (a) to generate a graph containment hierarchy of supergraph
10 structures and subgraph structures in which each of the supergraph structures
11 and subgraph structures corresponds to at least one information source.